CLAIMS

1. An analog scanning processor for generation of a dynamic focus correction signal for use with a CRT, wherein the dynamic focus correction signal, x^n, is characterised in that it is proportional to $Kx^2 + (1-K)x^4$, where x is the distance from

5   a mid point of a viewing surface of the CRT, and K is a real number in the range

$$0 \le K < 1.$$

2. An analog scanning processor as claimed in claim 1 wherein the dynamic correction signal is a horizontal dynamic focus correction signal.

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3. An analog scanning processor as claimed in claim 1 wherein the dynamic correction signal is a vertical dynamic focus correction signal.

4. An analog scanning processor as claimed in any one of the preceding

15   claims wherein the processor is arranged to generate a plurality of dynamic correction signals.

5. An analog scanning processor as claimed in any one of the preceding claims additionally including means for generating a dynamic brightness correction

20   signal.

6. An analog scanning processor as claimed in claim 5 wherein the dynamic correction signal for use in a horizontal direction is different to the dynamic correction signal for use in a vertical direction.

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7. An analog scanning processor as claimed in any one of the preceding claims wherein the processor includes a shape adjustment circuit arranged to receive as inputs:

- a sawtooth waveform at the deflection frequency;

30   - a shape control signal; and

- an amplitude control signal,

wherein the shape adjustment circuit is arranged to produce a signal which approximates closely to the sawtooth input waveform raised to a power n, where n is a real number.

5   8.   An analog scanning processor as claimed in claim 7 wherein the value of n is in the range 2.00 to 4.00

9.   An analog scanning processor as claimed in any one of the proceeding claims, wherein the value of n is approximately 2.6.

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10.   An analog scanning processor as claimed in any one of the proceeding claims wherein the value of K is approximately 0.59.